

# Comparisons of Job Characteristics

**Focus Occupation:** First-Line Supervisors of Production and Operating Workers (51-1011)  
**Associated Occupation:** Power Plant Operators (51-8013)

Compare Knowledge  
 Compare Skills  
 Compare Abilities  
 Compare Detailed Work Activities  
 Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 38

**Focus Occupation:** First-Line Supervisors of Production and Operating Workers (51-1011)  
**Associated Occupation:** Power Plant Operators (51-8013)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	12.8	10.9	<	Expanded education and/or training may be required
Chemistry	4.8	9.8	5.0	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	9.7	7.3	<<	Extensive education and/or training may be required
Physics	4.3	9.3	3.6	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	8.4	8.3	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 38

**Focus Occupation:** First-Line Supervisors of Production and Operating Workers (51-1011)  
**Associated Occupation:** Power Plant Operators (51-8013)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation Monitoring	6.6	12.7	8.1	<<	Extensive development of skills in this area may be required
Operation and Control	5.4	10.8	5.1	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	10.6	8.2	<	A higher skill level may be required
Troubleshooting	4.5	10.0	5.5	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	8.5	4.1	<<	Extensive development of skills in this area may be required

Repairing	3.4	7.9	4.1	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	6.2	3.6	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 86			
Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011) Associated Occupation: Power Plant Operators (51-8013)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Selective Attention	8.7	10.8	8.9	<	Some improvement in abilities may be required
Perceptual Speed	7.4	10.7	8.4	<	Some improvement in abilities may be required
Auditory Attention	5.9	8.6	6.0	<<	Extensive improvement in abilities may be required
Time Sharing	6.6	8.5	7.1	<	Some improvement in abilities may be required
Response Orientation	4.0	7.5	3.8	<<	Extensive improvement in abilities may be required
Rate Control	3.8	7.1	5.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 59
<b>Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)</b> <b>Associated Occupation: Power Plant Operators (51-8013)</b>		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Maintain production or work records	19	
Monitor production machinery/equipment operation to detect problems	27	
Read technical drawings	7	
Understand technical operating, service or repair manuals	6	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 76

**Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)**  
**Associated Occupation: Power Plant Operators (51-8013)**

Tools and Technologies	Exclusivity
Computer displays	18
Computers	1
Content authoring and editing software	1
Data management and query software	1
Face and head protection	7
Information exchange software	1
Respiratory protection	6

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.